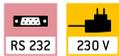




STANDARD

**Matrix Needle Printer
KERN 911-013**

For printing weighing results on normal paper, which is ideal for long-term archiving.

Technical data

- Needle print
- Speed: 1,8 line/s
- Max. 40 characters per line
- Width of the paper strip: 57 mm wide
- Operation via mains adapter 230 V/50 Hz (standard EU), as standard
- Dimensions housing:
W×D×H 100×180×106 mm
- Not suitable for KERN PNS/PNJ, PES/PEJ ranges
- Interface cable not included with delivery

Accessories

- Paper rolls (10 pcs.), KERN 911-013-010
- Universal mains adapter, standard EU/GB/US, KERN ABS-A01

Important note for printer orders:

Please state your balance model when ordering, so that the printer can be preconfigured in the factory to suit your balance.

Individual header data:

For printers **KERN 911-013**, **YKN-01** and **YKE-01** the free software **KERN SHM-01** can be used to print 4 header lines on the printout (see marking on balance).
Compatible models: KERN 440, DE, FCB, PCD.

 <p>Internal adjusting Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)</p>	 <p>Interface for second balance For direct connection of a second balance</p>	 <p>Hold function (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value</p>	 <p>Conformity Assessment The time required for conformity assessment is specified in the pictogram</p>
 <p>Adjusting program CAL For quick setting up of the balance's accuracy. External adjusting weight required</p>	 <p>Network interface For connecting the scale to an Ethernet network</p>	 <p>Protection against dust and water splashes IPxx The type of protection is shown in the pictogram</p>	 <p>DAkkS calibration possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram</p>
 <p>EasyTouch Suitable for the connection, data transmission and control through PC or tablet</p>	 <p>KERN Communication Protocol (KCP) It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems</p>	 <p>Suspended weighing Load support with hook on the underside of the balance</p>	 <p>Factory calibration (ISO) The time required for Factory calibration is shown in days in the pictogram</p>
 <p>Memory Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.</p>	 <p>GLP/ISO log intern The balance displays weight, date and time, independent of a printer connection</p>	 <p>Battery operation Ready for battery operation. The battery type is specified for each device</p>	 <p>Package shipment The time required for internal shipping preparations is shown in days in the pictogram</p>
 <p>Alibi memory Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.</p>	 <p>GLP/ISO log Printer With weight, date and time. Only with KERN printers.</p>	 <p>Rechargeable battery pack Rechargeable set</p>	 <p>Pallet shipment The time required for internal shipping preparations is shown in days in the pictogram</p>
 <p>KERN Universal Port (KUP) allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort</p>	 <p>Piece counting Reference quantities selectable. Display can be switched from piece to weight</p>	 <p>Universal plug-in power supply with universal input and optional input socket adapters for A) EU, CH, GB B) EU, CH, GB, US C) EU, CH, GB, US, AUS</p>	
 <p>RS-232 Data interface To connect the balance to a printer, PC or network</p>	 <p>Recipe level A The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out</p>	 <p>Plug-in power supply 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available</p>	
 <p>RS-485 Data interface To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible</p>	 <p>Recipe level B Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display</p>	 <p>Integrated power supply unit Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request</p>	
 <p>USB Data interface To connect the balance to a printer, PC or other peripherals</p>	 <p>Totalising level A The weights of similar items can be added together and the total can be printed out</p>	 <p>Weighing principle Strain gauges Electrical resistor on an elastic deforming body</p>	
 <p>Bluetooth* Data interface To transfer data from the balance to a printer, PC or other peripherals</p>	 <p>Percentage determination Determining the deviation in % from the target value (100 %)</p>	 <p>Weighing principle Tuning fork A resonating body is electromagnetically excited, causing it to oscillate</p>	
 <p>WIFI Data interface To transfer data from the balance to a printer, PC or other peripherals</p>	 <p>Weighing units Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details</p>	 <p>Weighing principle Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings</p>	
 <p>Control outputs (optocoupler, digital I/O) To connect relays, signal lamps, valves, etc.</p>	 <p>Weighing with tolerance range (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model</p>	 <p>Weighing principle Single cell technology Advanced version of the force compensation principle with the highest level of precision</p>	
 <p>Analogue interface to connect a suitable peripheral device for analogue processing of the measurements</p>			

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